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D. A. White & Sons

Wholesale and Retail

FEEDMEN AND SEEDMEN
Poultry and Bee Supplies

251-261 State Street
SALEM, OREGON

1925 PRICE LIST

Farm, Field and Garden Seeds
Poultry Feeds, Sprays, Fertilizers, Etc.

On account of the various market changes in prices, we quote subject to the following statement:

We guarantee that we will give you full value for the money sent, whether the price at the time you order be higher or lower, or if the difference is very great, will notify you before shipment.

Disclaimer

D. A. White & Sons give no warranty, expressed or implied, as to the description, quality, productiveness or any other matter of any seeds, bulbs or plants that they send out, and will not be in any way responsible for the crop.

SHARPLES CREAM SEPARATORS

WE ARE Agents for the splendid products of the Sharples Co. Their new "**Suction Feed**" Separators are the only Separators that will skim clean at any speed and this feature alone guarantees one-fifth more cream than can be saved by any other separator.

Oil tight gear case. Oil once a month.

The only separator which skims quicker when turned faster.

No need to watch your speed.

"Suction Feed" sucks milk into bowl in proportion to speed—result clean skim at any speed.

The only separator with knee low supply tank.

Suspended single frictionless ballbearing—that's why the Sharples runs easier. Bowl skims clean at low speed—cream stays same thickness at any speed.

Patented Tubular Bowl creates double skimming force.

The simple tube has no discs to wash.

You are familiar with the well-known advantages of the regular Tubular Separator. You know the simple, tube-shaped bowl, with its enormous skimming force (double that of any other machine made)—no discs. easily cleaned, almost indestructible. You know the advantages of having all the gears solidly encased and running in oil. You know how the bowl hangs from a single ballbearing, spinning naturally, instead of being supported from below.

The "**New Sharples**" with all these advantages needs only its **new features** described here of which most important is the

SUCTION FEED

The milk is drawn up through the bottom of the bowl by the suction force of the revolving bowl—and the greater the speed the faster the separation—But at all speeds the **New Sharples Skims Clean**—and the cream is of a uniform density—just what you set the cream screw for—and—you get all the cream at any speed—fast or slow—and the faster you turn the greater the capacity. This is true of no other separator.

AUTOMATIC MILK SHUT OFF. UNBENDABLE SPINDLE—are only a few of the new exclusive features fully explained and illustrated in the CATALOG OF THE "NEW SHARPLES."

PRICES, F. O. B., SALEM, OREGON

No. 1, Capacity, 200 lbs., per hour.....	\$ 68.00
No. 2, Capacity, 300 lbs., per hour.....	78.00
No. 3, Capacity, 400 lbs., per hour.....	88.00
No. 4, Capacity, 500 lbs., per hour.....	98.50
No. 6, Capacity, 700 lbs., per hour.....	118.50
No. 9, Capacity, 900 lbs., per hour.....	138.50
No. 10, Turbine, 1,000 lb. Capacity per hour.....	178.50
Motor Equipment, complete, with extra pulley, belt, etc.....	50.00
Sharples Governor Pulley, each.....	20.00

SUPPLIES

We carry the usual supplies needed and will be glad to obtain any supply not carried in stock.

Selected, Tested Vegetable Seeds

ARTICHOKE

Large Globe. The undeveloped flower heads, when properly cooked, make a delicious dish. Pkt., 10c.

ASPARAGUS

Washington. This is the new variety that has proven by government tests, possibly the finest asparagus grown. It is early, very tender and grows to a good size. For market gardeners, the best variety ever grown. Pkt., 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00, postpaid.

Palmetto. One of the best varieties. Quality, first class. Pkt. 10c; oz. 20c; lb. \$1.25, postpaid.

BEANS

Any variety at the following prices if not otherwise priced. Postpaid, pkt. 20c; lb. 35c; 10 lbs. \$2.75. Not postpaid, pkt. 15c; lb. 30c; 10 lbs. \$2.50.

DWARF OR BUSH, GREEN PODDED

Stringless Green Pod. The most popular variety on the market for home garden or the market. Fine for canning. Very prolific.

Refugee. An old standard variety. Fine for canning, home or market.

Red Valentine. A well-known variety that produces a large crop.

WAX PODDED BUSH BEANS

Davis White Wax. Rustless and very productive. Long yellow pods that can be used for canning, home or market.

Golden Wax. One of the most popular garden varieties. Pods are long and a beautiful golden yellow, crisp and tender.

Improved Black Wax. The earliest of all wax beans. Excellent quality and very productive.

POLE BEANS, GREEN AND WAX PODDED

Kentucky Wonder. The most popular pole bean grown. A heavy producer and lasts until frost time. Pods are very long, fleshy and deeply creased. Green in color and stringless.

Kentucky Wonder Wax. Similar to the above, but long yellow pods.

White Crease Back. Long slender pods, crisp and tender. Fine for pickles, canning and table.

Scarlet Runner. The well-known, old fashioned climber. Bright, scarlet flowers. Oz. 5c; lb. 50c.

Castor Beans. Used for medicinal purposes and by some claimed to keep moles away from gardens. Very ornamental. Postpaid, oz. 10c; lb. 75c.

Oregon Lima. The best variety for this climate. A heavy producer and excellent quality. Bears until frost comes. Special price. Postpaid, pkt. 20c; lb. 35c. Not postpaid, pkt. 15c; lb. 30c.

FIELD BEANS

Lady Washington. This has proven the best bean for this valley as it is early and matures all at one time. Postpaid, lb. 25c; 10 lbs. \$2.25; Not postpaid, lb. 20c; 10 lbs. \$1.50.

BEETS, TABLE VARIETIES

Any variety at the following prices. **Postpaid, pkt. 10c; oz. 15c; ¼lb. 35c; 1 lb. \$1.00.**

Improved Blood Turnip. A fine table variety. Turnip shaped with deep red flesh.

Detroit Dark Red. Globe shaped, bright, rich, red flesh. Fine for market or table.

Extra Early Egyptian. Very popular variety. Bright red with clear vermilion flesh.

Early Eclipse. Globe shaped. Flesh deep crimson, zoned with pink.

Early Wonder. This has proven a very popular variety and especially so with market gardeners. It is of the globe type and has a rich color.

SWISS CHARD

Lucullus. The finest variety. Cultivated for its stalks and leaves which are prepared and served like asparagus. Also, becoming very popular for greens for poultry as it is more productive than kale. **Pkt. 10c; oz. 15c; lb. \$1.25, postpaid.**

MANGEL WURZEL, SUGAR AND STOCK BEETS

Any variety at the following prices. **Postpaid, oz. 10c; ½lb. 30c; lb. 55c; 10 lbs. \$5.00.**

Mammoth Long Red. One of the finest varieties grown. Grows very large.

Golden Tankard. A heavy producer and good for heavy soils.

New Mangel Half Sugar. Becoming very popular as it is sweeter than a regular mangel. Makes fine feed.

Danish Sludstrop. Long, reddish yellow, grows well above the ground and easy to pull. Very productive and excellent quality.

Sugar Beets (True Stock.) Flesh, white and tender, fine for table, also excellent stock feed.

BIRD SEEDS AND SUPPLIES

Seeds are all re-cleaned and first class quality. Can supply Canary, Hemp, Millet and Bird Rape.

Roller Bird Seed.....	Pkg. 20c; postpaid. 25c.
Canary.....	Lb. 20c; postpaid, 25c.
Hemp.....	Lb. 15c; postpaid, 20c.
Bird Rape.....	Lb. 15c; postpaid, 20c.
Millet.....	Lb. 15c; postpaid, 20c.
Sunflower.....	Lb. 20c; postpaid, 25c.
Bird Gravel.....	Pkg. 15c; postpaid, 25c.
Bird Manna.....	Pkg. 15c; postpaid, 20c.
Cuttle Bone, large pieces,	Oz. 10c, postpaid.

BROCCOLI

Western Oregon is now producing the finest broccoli grown in America. A fine market has been secured throughout the East and it has proven a very profitable crop.

St. Valentine. This variety has proven to be the only variety to grow. Producing the finest heads, immense size and excellent quality. **Pkt. 10c; ¼oz. 35c; oz. \$1.25.**

BRUSSELS SPROUTS

Dwarf Improved. Very hardy and producing compact sprouts of large size and good quality. **Pkt. 10c; oz. 25c.**

CABBAGE

All at the uniform price of, **Pkt. 10c; oz. 25c; ¼lb. 75c; lb. \$2.50, postpaid.**

EARLY VARIETIES

Early Jersey Wakefield. An old favorite, sharp, conical head. Sown both fall and spring.

Charleston Wakefield. The best known early variety. Medium sized conical head. The favorite market variety.

Early Dwarf Flat Dutch. This is the favorite early, flat headed variety. Very productive.

MEDIUM AND LATE VARIETIES

- Danish Ball Head.** The finest late variety grown, either for market or home garden. Firm, solid heads, medium sized, round and very solid.
- Late Flat Dutch.** The favorite large late variety.
- Late Drumhead.** Has no superior for family or market in the large varieties.
- Sure Head.** The surest cropper of the late varieties. Large solid head.

CAULIFLOWER

Price, postpaid, pkt. 10c; oz. \$1.25

- Early Snowball.** The most popular variety grown of the early sorts. Quality first class and good size.
- Large Algiers.** A valuable late variety, sure to head, of the best quality.
- Autumn Giant.** Heads are large, white and compact, excellent quality.

COLLARDS

- Georgia.** This variety is the old time favorite. Is very hardy. Pkt. 10c; oz. 15c.

CARROTS

All at the uniform price of: Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.

- Chantenay.** The finest variety for the market or home garden. Smooth and tender. Deep orange color.
- Danvers Half Long.** The smooth handsome roots are orange color and medium length. A heavy cropper and make fine feed.
- Ox Heart.** A thick carrot, five or six inches long and very blunt at the lower end. Orange color.
- Long Orange.** Grows to a large size. Best adapted to sandy or loose soil. A favorite for stock feeding.
- Large White Belgian.** Grown for stock feeding. Very productive. Easily pulled.
- Large Yellow Belgian.** One of the best carrots for stock feeding. Grows large and very productive.

CELERY

- White Plume.** The leading white celery. A handsome, crisp sort, of very easy cultivation. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00, postpaid.
- Golden Self Blanching.** The best celery for early market or home garden of the yellow meat kinds. Easily blanched. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25, postpaid.

CRESS

- Curled or Pepper Grass.** Used as a salad dressing. Pkt. 10c; oz. 15c, postpaid.
- Water Cress.** Thrives only when the roots or stems are submerged in water. Leaves used as a salad. Pkt. 10c; oz 50c.

CORN—Sweet or Table Varieties

Uniform price of pkt. 15c; lb. 35c; 10 lbs. \$2.75, postpaid.

- Pkt. 15c; lb. 30c; 10 lbs. \$2.50, not postpaid.
- Golden Bantam.** One of the finest sweet corns grown. Very early, tender and extra sweet. Golden in color.
- Early Minnesota.** The favorite extra white variety. Fine for canning.
- Howling Mob.** A favorite of the market gardeners. Extra early white corn of finest quality.
- Early Evergreen.** Follows the early varieties and is an excellent corn.

Stowells Evergreen. This is the most popular and best main crop sweet corn grown. Excellent quality and lasts until killed by frost. Very productive. Makes fine fodder and ensilage.

Portland Market. An extra early variety with a good sized ear. A great favorite for the market and home use.

Golden Cream. This is new yellow meated Sweet Corn and is the first year that it has been offered on the market. It is a cross between Golden Bantam and Evergreen and retains the sweetness of the Bantam with the Evergreen qualities. Produces a large ear of extra sweet corn.

FIELD CORN

EXTRA, FANCY, SELECTED STOCK

We make a specialty of Field corn and offer you the finest varieties for this coast. Uniform price of **1b. 20c; 10 lbs. \$1.25; 25 lbs. \$2.75, postpaid. Not postpaid, 1b. 10c; 10 lbs. \$1.00; 100 lbs., Market Price.**

Pride of Oregon. This is the best quality of Oregon grown corn and well selected. Ears are long, well filled with deep yellow kernels. Makes a fine silo corn as it grows to a good size as well as being early.

Minnesota No. 13, Yellow Dent. This variety is a favorite of many dairymen as an ensilage corn. A heavy producer.

Leaming, Yellow Dent. One of the most popular ensilage corns as it is very productive.

Pride of the North, Yellow Dent. Grown here for many years as a silo corn and is a heavy producer.

White Pearl. A pure white corn. Used for silo.

Golden Glow. This is the corn that is winning all the prizes at the various corn shows and is an extra good variety for this valley. Our seed is Western grown.

POP CORN

White Rice. The best variety for this climate. Ripens early and is a good producer. **Postpaid, 1b. 20c; not postpaid, 10c; 10 lbs. 80c.**

CUCUMBERS

Uniform price of **pkt. 10c; oz. 15c; ¼lb. 50c; 1b \$1.50, postpaid.**

Early Short Green or Early Frame. An excellent small variety. Fine for pickles.

Chicago Pickling. The favorite pickling variety. Very prolific.

Improved White Spine. A large, long variety that is fine for table or pickles.

Improved Long Green. The old family favorite. Always good for all purposes.

Lemon Cucumber. This dainty little cucumber resembles a lemon both in form and color, having a distinctive flavor all its own. **Pkt. 10c; oz. 20c.**

ENDIVE

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August, for a succession of crops; tie the leaves closely together to bleach them.

Green Curled. A standard sort for fall and winter. **Pkt. 10c; oz. 15c; ¼lb. 35c.**

White Curled. A beautiful variety with curled, mossy leaves for early use. **Pkt. 10c; oz. 15c; ¼lb. 50c.**

EGG PLANT

Black Beauty. An extra early, quick-growing, vigorous variety, handsome and very uniform. Color, deep blackish purple. Splendid market sort. **Pkt. 10c; oz. 70c.**

KALE

Dwarfed Green Curled. Leaves curled and a bright green. **Pkt. 10c; oz. 15c.**

Tall Scotch—Green Curled. Grows about two feet high, leaves dark green, curled and wrinkled; very hardy. **Pkt. 10c; oz. 20c.**

Thousand Headed. Grows very large. Used mostly for stock feeding. **Pkt. 5c; 1b. 75c; postpaid, 85c.**

KOHL RABI

Early White. Best table variety. Pkt. 10c; oz. 25c.

LEEK

Large Rouen. The favorite variety. Pkt. 10c; oz. 25c.

LETTUCE

New York or Wonderful. The finest head lettuce grown. The immense heads are solid, heavy, beautifully bleached to a creamy white with bright green outer leaves. The quality is unsurpassed, being tender, crisp and sweet. Used by all market gardeners. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. 85c; lb. \$3.50.

The following varieties at the uniform price of pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c, postpaid.
Hanson. An old standard variety that produces a fine head. White meated, crisp and tender.

Early Prizehead. A brown tinged leaved head lettuce that is a great favorite.

Early Curled Simpson. The leading curly variety, extra crisp and tender.

May King. The leading butter lettuce. Rich and tender.

Brown Dutch. The leading brown variety. Forms a large, solid head, sweet tender and good flavor.

Grand Rapids. This is used for forcing mostly but some like it as it is very early for outdoor planting.

Big Boston. A very large, loose headed variety, often called a butter lettuce on account of the color.

MUSK MELON

Price, postpaid, pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.25.

Large Yellow Cantaloupe. The flesh is light, yellowish green, very sweet, crisp and delicious.

Burrels Gem. The favorite market variety. Light green flesh which is very deep and delicious.

Honey Dew. This is the new melon that has proven a great success. The fruit is large, green fleshed and delicious flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50.

Rocky Ford or Netted Gem. The fruit is oval, slightly ribbed, densely covered with coarse netting. Green fleshed. Fine for the market.

Green Nutmeg. An extra early variety that is fine for the home garden. Flesh green, fine and sweet.

Casaba. An excellent melon with very thick flesh.

WATER MELON

Prices, pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.00, postpaid.

Early Fordhook. The best early melon for this valley for home use.

Sweet Heart. An excellent melon and a good shipper for the market.

Ice Cream. An old favorite that every one likes.

Tom Watson. A long melon that is fine for home garden or market.

Kleekly's Sweet. One of the favorite melons for this valley.

CITRON

Used for preserves. Pkt. 10c; oz. 20c.

ONIONS

Write for Special Prices on large orders.

- Oregon Yellow Danvers.** A standard market variety developed in Oregon. A half globe shape with small neck. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 70c; lb. \$1.75, postpaid.
- Yellow Globe Danvers.** A handsome globe shaped variety that commands the top price on the market. Now the principal onion grown here for the market. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 75c; lb. \$1.75, postpaid.
- White Globe.** A pure white, globe shaped variety. Flesh hard with wax like pearl flesh. Used a great deal as a green onion for the market by gardeners. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 90c; lb. \$3.00, postpaid.
- White Portugal or Silverskin.** Skin and flesh, pure white, mild and flat shape. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 90c; lb. \$3.00, postpaid.

ONION SETS

- Bottom Onion Sets.** Small onions grown from seed. Used mostly for green onions, but if left stand usually make large onions. Market price.
- Top Sets or Multipliers.** So called winter onions as they grow all winter and are ready to use very early in the spring. Market price.

PARSLEY

- Double Curled.** Very hardy and easy to grow. Used for flavoring and garnishing. Pkt. 10c; oz. 15c.
- Hamburg or Turnip Rooted.** A plain leafed variety forming a long thick edible root. Pkt. 10c; oz. 15c.

PARSNIP

- Hollow Crown.** Roots white, very tender, with smooth skin. Pkt. 5c; oz. 15c; lb. \$1.00, postpaid.

GARDEN PEAS

- Any variety at the following prices: Postpaid, pkt. 15c; lb. 35c; 10 lbs. \$3.00; not postpaid, pkt. 15c; lb. 30c; 10 lbs. \$2.75.
- Blue Bantam.** One of the finest early varieties on the market. Grows about 15 inches high, very productive, large podded and sweet.
- American Wonder.** The most popular early variety grown. A great favorite for home gardens.
- Premium or Little Gem.** An old standby of excellent quality.
- Alaska.** Extra early and hardy. May be planted in the fall in this valley and will produce a very large crop early in the spring. Fine for early market.
- Gradus.** Without doubt the most popular pea for the early market or home garden. Pods are extra large and well filled with large sweet peas.
- Notts Excelsior.** A fine early dwarf pea. Pods are well filled with sweet tender peas.
- Dwarf Telephone.** The most popular second early variety now on the market and the finest, sweetest pea grown.
- Tall Telephone.** The best mid season variety and a great favorite. Grown by all the market gardeners and cannot be excelled for home use.
- Stratagem.** One of the best of the large podded sorts. The pods are of immense size and well filled with large sweet peas.
- Yorkshire Hero.** A favorite variety for the second crop. Peas are of excellent quality, sweet and tender. Grows about 30 inches high.
- Laxtonian.** This is the finest dwarf early pea offered today. The vines grow eighteen to twenty inches high and produce an enormous crop of dark green pods as large as Gradus, maturing a few days ahead of that variety.

Duke's Delight. A very dwarf, extra early, delicious pea of great merit. The strong, healthy vines grow about 12 to 34 inches in height. Very productive, sweet and excellent flavor.

Quite Content. This is the largest podded pea in existence. The vine attains a height of five to six feet. The pods are truly gigantic in size, measuring from five to six inches in length.

Dwarf Gradus. This is similar to the Gradus variety, the same good pea only smaller and earlier.

PUMPKIN

Any variety at the following prices: **Pkt. 10c; oz. 15c; lb. \$1.00, postpaid.**

Winter Luxury. The most popular pie pumpkin. Medium size, color golden russet, finely netted flesh.

Sweet or Sugar. A fine grained variety that makes dandy pies. Skin, orange; flesh, deep yellow. Very sweet.

Golden Cushaw. One of the finest cooking varieties.

Large Yellow. Large, round, deep glossy yellow. Grown mostly for stock feeding. Postpaid, oz. 10c; lb. 50c.

King of Mammoths. Grows to an enormous size. Very productive. Used for feed. Postpaid, oz. 15c; lb. 85c.

Connecticut Field. Popular for field culture and excellent for stock. **Pkt. 5c; oz. 15c; lb. 60c, postpaid.**

PEPPER

Pkt. 10c; oz. 35c, postpaid.

Ruby King. Very large, sweet and mild. Bright scarlet.

Large Bell. Large, mild and thick fleshed. One of the best for stuffed pickles.

Chili. Pods are small and pointed. A hot one.

Pimento. A sweet pepper with a wonderful mild flavor.

Cayenne. Medium long, narrow, pointed, red pods. Very hot.

RADISH

Any variety at the following prices: **Postpaid, pkt. 10c; oz. 15c; ¼lb. 35c; lb. \$1.00.**

Early Scarlet Globe. A popular variety owing to its quick growth and fine scarlet color.

Early Scarlet Turnip or Rosy Gem. Used more than any other early variety. Color bright rose carmine with white tip. Globe shaped.

White Icicle. The most popular radish on the market. A handsome, white variety, growing about five inches long. Quick growing, crisp and mild flavor.

Long Scarlet, Short Top. A dandy radish. Color, bright carmine; flesh firm, about six inches long. Fine for market.

Brightest Long Scarlet. A very showy, long scarlet radish with white tip.

French Breakfast. A popular variety for market or forcing; it is about two inches long, stumprooted, bright rose color with white tip.

WINTER RADISHES

China Rose Winter. Bright rose color; flesh white and firm.

Mammoth White China. Roots are from ten to twelve inches long, solid, crisp and tender.

Long Black Spanish. Flesh, white; one of the latest and hardiest.

RHUBARB

Victoria or Mammoth. Very large, finest cooking variety. **Pkt. 10c; oz. 20c; ¼lb. 50c; lb. \$1.50, postpaid.**

SUNFLOWER

Mammoth Russian. The favorite variety. Grown for ensilage, feed, etc. **lb. 20c; postpaid, 25c.**

SQUASH

Mammoth Summer Crookneck. Flesh tender and good quality. **Pkt. 10c; oz. 15c; lb. \$1.25.**

Mammoth White Bush Scallop. The best summer sort for the market. **Pkt. 10c; oz. 15c; lb. \$1.25.**

Hubbard. The best seller and most popular squash; keeps through the winter. **Pkt. 10c; oz. 15c; lb. \$1.25.**

Golden Hubbard. The same size, shape and quality as the well known Hubbard squash, except that it is a bright red or golden color, and somewhat earlier; it is also a long keeper, vigorous and wonderfully productive; in flavor it has no equal. **Pkt. 10c; oz. 15c; ¼lb. 60c; lb. \$1.50.**

Banana Squash. This is a long squash that cooks up very fine with a wonderful flavor. Does extra well in this climate. **Pkt. 10c; oz. 15c; lb. \$1.50.**

SALSIFY OR VEGETABLE OYSTER

Mammoth Sandwich Island. The leading tender variety. Produces a large crop of straight smooth roots. **Pkt. 10c; oz. 25c; lb. \$2.75.**

SPINACH

Any variety at the following prices: **Pkt. 10c; ¼lb. 25c; lb. 60c, postpaid.**

Savoy. Leaves large, round and thick. One of the earliest sorts.

Prickly Winter. Hardest variety. Must be sown in the fall. Leaves long, pointed and thick.

Long Standing. An improved variety for general use. Remains in edible condition over long period, as it is slow to go to seed.

New Zealand. Unlike true spinach in type and in that it thrives during hot weather and in any soil, rich or poor. The tender shoots are of good quality and may be cut throughout the summer. The plant becomes quite large and spreading. The leaves are comparatively small, broad and pointed. Germination of the seed can be hastened by soaking in warm water twenty-four hours. **Pkt. 10c; oz. 20c; ¼lb. 50c; lb. \$1.50.**

King of Denmark. This variety will, in time, replace all other varieties for spring planting. It is very slow to go to seed, continuing to grow and hold its fine qualities long after other varieties are gone. Early and excellent quality. **Oz. 10c; ¼lb. 35c; 1 lb. \$1.00, postpaid.**

TOMATOES

Bonny Best. Highly prized by many Oregon growers. Tomatoes large, smooth and of a rich scarlet red, the color that sells quickly. Fruit thick with a small core, a profitable tomato for any purpose. Slices exceptionally well. Flesh and flavor excellent. Nearly globe shaped, slightly flattened at stem. **Pkt. 10c; oz. 35c.**

The New Burbank. This great tomato has proven a wonderful success. The tomato is large, smooth bright red, and solid meat and a wonderful producer. **Pkt. 15c.**

Chalks Jewel. An early variety that is well adapted for this climate as it is extra early and bears throughout the season. **Pkt. 10c; oz. 35c.**

Sparks Earliana. Large, smooth and early; beautiful red color. **Pkt. 10c; oz. 30c.**

Red Cherry. Fruit small and globe shaped. Fine for preserves. **Pkt. 10c.**

Husk or Ground Cherry. Used for preserves. **Pkt. 10c.**

John Baer. An early, bright scarlet tomato that does exceedingly well here. Large, smooth and fine color. Thick meat. **Pkt. 10c; oz. 35c.**

TOBACCO

Connecticut Seed Leaf. Best adapted for general use. Pkt. 10c.

Havana. Preferred by many. Pkt. 10c.

TURNIPS

Any variety at the following prices: **Postpaid, pkt. 5c; oz. 15c; ¼lb. 25c; lb. 60c.**

White Egg. Is excellent flavor, clear white, sweet and mild.

Early Purple Top, Strap Leaved. Flat in shape. The leading white variety; one of the best for all purposes.

Purple Top, White Globe. The favorite variety. Excellent quality.

Yellow Aberdeen. Round, medium size, light yellow.

Cow Horn. Grows half out of the ground and is a rapid grower. Immense yielder.

RUTA BAGA

Same price as turnips.

American Purple Top. Grows to a large size and produces an immense crop.

Sweet Russian. Most excellent for table and stock. Sweet and rich.

VEGETABLE PLANTS AND ROOTS

We handle the output of several large growers and can furnish fine transplanted plants during the season.

Transplanted plants are much stronger and better rooted and do far better than ordinary plants sold on the market.

We do not name the various named varieties that we handle, as it varies with the seasons, but will be glad to send you a list at any time when you are ready to plant.

For those wanting large lots, write for special prices, stating quantity wanted.

During the season, we handle Cabbage, Tomato, Cauliflower, Kale, Broccoli, Pepper, and various other garden plants and would be glad to quote prices at any time.

Rhubarb Roots. Good strong roots at **10c each; 6 for 50c; postpaid, 15c each; 6 for 65c.**

Asparagus Roots. One year old plants, good and strong. **Doz. 15c; postpaid, doz. 20c; 100 for 75c, by freight or express collect.**

SEED POTATOES

Write for prices.

Burbanks. One of the best varieties grown in the Northwest and a favorite market variety.

Netted Gem. Becoming a very popular variety and is a fine potato in every way. A heavy yielder.

Earliest of All. Without doubt, the earliest variety on the market. White in color and cooks fine.

Early Rose. A favorite variety and well known for many years.

CHOLERINE

A wonderful poultry remedy. Fine for young chicks.

6 oz. bottle, 45c; postpaid, 50c; 16 oz. bottle, 75c; postpaid, 85c; 1 gal. bottle, \$3.00; postpaid, \$3.25.

SODIUM FLUORIDE

This is a wonderful lice powder and surely kills 'em. **Can, 50c; postpaid, 60c.**

FLOWER SEEDS

The "SPENCER" TYPE OF SWEET PEAS

Special Re-Selected Stock for 1925

By reason of their increased size, waved or fluted appearances and charming blendings of harmonious colors, the new "Spencer" type may be appropriately described as Truly Gigantic "Orchid Flowered." The flowers are not only of extremely large size, and attractively waved or crinkled, but are distinct also in having the outer edges of the standard and wings serrated. The standard is broad and tall; the wings are broad, well spread and generally held erect by the keel.

White Spencer. A pure white flower of enormous size, beautifully fluted and crinkled. Of splendid substance. **Pkt. 10c; oz. 35c.**

King Scarlet Spencer. Bright, crimson scarlet, largest size, wavy standards. Very long stems, the finest bright scarlet. **Pkt. 10c; oz. 35c.**

Mrs. Hugh Dickinson. A beautiful combination of Buff, Apricot and Rose. **Pkt. 10c; oz. 35c.**

Elfreda Pearson Spencer. Light pink or white, shaded and edged. **Pkt. 10c; oz. 35c.**

Florence Morse Spencer. White and blush pink edge. **Pkt. 10c; oz. 35c.**

Helen Lewis. A beautiful orange pink. One of the finest Spencers. Bright orange standard. **Pkt. 10c; oz. 35c.**

Florence Nightingale. A beautiful shaded lavender and rose. **Pkt. 10c; oz. 35c.**

Margaret Atlee. The Spencer Supreme. Margaret Atlee is a rose-salmon, pink on a creamy rich buff ground, soft color, and extremely attractive, both as individual flowers and in the bunch. The standard is large and wavy and inclined to double under favorable conditions. **Pkt. 10c; oz. 35c.**

Asta Ohn. Lavender suffused with mauve. Of perfect form, of largest size blossoms on long, strong stems; very vigorous. **Pkt. 10c; oz. 35c.**

Countess Spencer. Pink. Flowers extremely large, beautifully expanded, crumpled and waved. Color silvery white, suffused with soft shell pink, deeper at the outer edges. **Pkt. 10c; oz. 35c.**

Primrose Spencer. Color, true primrose. Very vigorous, free flowering, excels in beauty of form, length of stem and keeping quality. **Pkt. 10c; oz. 35c.**

Decorator. This great sweet pea is a wonderful shade of old rose and orange combination. **Pkt. 10c; oz. 35c.**

Florence Morse. A beautiful white and blush pink. **Pkt. 10c; oz. 35c.**

R. F. Felton. An extra large lavender and very rich color. Said to be the finest of all the lavenders. **Pkt. 10c; oz. 35c.**

Maroon. The deepest of all the red or scarlet varieties. **Pkt. 10c; oz. 35c.**

Royal Purple. The nearest true purple sweet pea grown. Often called Elk's Purple. Very rich color. **Pkt. 10c; oz. 35c.**

Wedgewood. A beautiful silvery blue sweet pea. **Pkt. 10c; oz. 35c.**

Illuminator. Possibly the most popular and finest sweet pea grown. A wonderful Salmon orange color. **Pkt. 10c; oz. 35c.**

Dobbie's Dream. The truest cream colored sweet pea on the market. Grows extra large. **Pkt. 10c; oz. 35c.**

Jean Ireland. A beautiful creamy buff, edged with carmine. Very novel effect. **Pkt. 10c; oz. 35c.**

Mrs. Rautzann. The largest of the pink varieties. A beautiful light pink. **Pkt. 10c; oz. 35c.**

Blanche Ferry. The finest of the shaded pink and white varieties. An old favorite. **Pkt. 10c; oz. 35c.**

Our Superb Mixture. True Spencers only. A splendid mixture, carefully proportioned and blended to produce pleasing and harmonious combinations of color, containing the most beautiful shades and varieties of the wonderful Spencer type. These are not seedlings, but carefully selected named varieties that retain all their purity and brilliancy of color. **Pkt. 10c; oz. 25c; lb. \$3.00.**

NASTURTIIUM

Fancy Climbing Varieties. A fine selection of the different climbing varieties in assorted colors all mixed together. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

Fancy Dwarf Nasturtiums. A fine mixture of choice varieties and colors. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

FLOWER SEEDS

We carry a fine selection of all the leading varieties of flower seeds. Just order whatever variety you want and we will send it promptly.

All the varieties with a few exceptions are **10c per pkg. postpaid.** On account of lack of space in catalogue we do not find it profitable to catalogue a flower list but we carry a very large stock.

FANCY LAWN GRASS

In our Fancy Mixed Lawn Grass Seed we have the proper proportions of the various grasses that go to make a beautiful lawn.

The seeds that go into this mixture are all tested and recleaned in first-class shape and are the best quality on the market. Price, per lb. 60c; postpaid, 70c lb.

SHADY NOOK LAWN GRASS

This is a mixture that has been selected to grow in shady places and gives the best of results. All seeds are of the best quality that are used in this mixture and make a nice velvety lawn. Per lb. 60c; postpaid, 70c lb.

CREEPING BENT GRASS

We have some seed of this great lawn grass that is imported from Europe. Makes a wonderful lawn. Price, per lb. \$2.00; postpaid, \$2.10.

MEADOW FESCUE

This makes a very nice lawn and is very hardy and makes a good sod. Our seed is extra good quality. Lb. 35c; 10 lbs. \$3.25. Postage extra.

CHEWINGS FESCUE

This makes a wonderful sod and is used in shady places and under trees, etc. Makes a very fine lawn either alone or with other grasses. Lb. 65c; postpaid, 75c.

FIELD SEEDS

The following prices are the market prices of today and are subject to market changes. When ready to buy, write us for prices, stating quantity wanted and we will quote you the market price at that time. Or, send in your order based on the following prices and we will guarantee that we will give you full value for money sent, whether the price at the time you order be higher or lower, or if the difference is very great, we will notify you before shipping.

We make a specialty of High Grade, Recleaned, Tested Seeds and Grains and we believe that the quality we are offering is the best that can be obtained on the market.

If wanted by parcel post, add regular parcel post rates, according to zone distance from Salem.

Quantity prices are as follows: 1 to 9 lbs. at lb. price; 10 to 24 lbs. at 10 lb. price; 25 to 49 lbs. at 25 lb. price; 50 lbs. or more at 100 lb. price.

The following prices are F. O. B. Salem, Oregon.

ALFALFA

Our domestic alfalfa is acclimated and is the highest grade of North West Seed. Price, lb. postpaid, 40c; not postpaid, lb. 30c; 10 lbs, \$3.00; 25 lbs. \$7.25; 100 lbs. \$28.50.

GRIMM ALFALFA

State Certified Seed

Grimm alfalfa is the hardest alfalfa known. It seems to thrive and make a good crop where other varieties are a failure. Oregon Experiment Station recommend it very highly for the Northwest.

Our seed is certified which is the safest to buy as you know that you are getting pure Grimm Alfalfa as on account of the difference in price, many mixed lots have been sold as Grimm which possibly only contained a trace of Grimm. Price, per lb., postpaid, 65c; not postpaid, lb. 60c; 50 lb. lots or more at 58c per lb.

RED CLOVER

Extra Fancy Quality

We are in a position to offer you the finest Western grown Red Clover that is obtainable on the market. Located in the heart of the growing section, we select the finest lots for our retail trade.

Red clover is the standard clover for all purposes. Hardy and thrives well on nearly all land. Makes superior hay or pasture. **Price, postpaid, lb. 40c; not postpaid, lb. 35c; 25 lb. lots at 32c per lb.; 50 lbs. or more at 30c per lb.**

MAMMOTH RED CLOVER

This is an extra large growing clover, very similar to the regular red clover only growing larger. **Lb. postpaid, 45c; not postpaid, lb. 40c; 25 lb. lots at 35c per lb.; 50 lb. lots at 34c per lb.**

ALSIKE CLOVER

Fancy Quality

Excellent for hay and pasture. Grows on land too wet for other clovers. **Price, per lb. postpaid, 40c; not postpaid, lb. 30c; 25 lb. lots at 25c per lb.; 50 lb. lots or more at 24c per lb.** Choice quality. **25 lb. lots at 24c per lb.; 50 lb. lots at 22c per lb.**

WHITE DUTCH CLOVER

Extra Fancy

Used mostly for lawns. **Price per lb. postpaid, 85c; not postpaid, lb. 75c.** Write for quantity prices.

White Clover, Choice Quality. Used for pastures and pasture mixtures. Contains trace of alsike. **Postpaid, lb. 60c; not postpaid, 50c lb.; 25 lb. or more at 45c per lb.**

MIXED WHITE AND ALSIKE

This is used for pastures and makes wonderful feed. **Price, lb. postpaid, 35c; not postpaid, lb. 30c; 25 lb. lots or more at 25c. per lb.**

SWEET CLOVER. White Blossom

This clover is being tested on various lands of the Northwest and has proven in most tests, very successful. It makes a great pasture and is the best soil builder of all the clovers. Makes a wonderful bee feed. **Price, postpaid, lb. 40c; not postpaid, lb. 30c; 25 lb. lots at 25c per lb.; 50 lb. lots at 24c per lb.**

HUBAM CLOVER

Annual Sweet Clover

An annual white blossom sweet clover, very similar to the above variety. Grows very large. **Price, lb. postpaid, 50c; not postpaid, 40c.** Write for quantity prices.

CRIMSON CLOVER

Highly recommended for pasture and fertilizing purposes. A thrifty annual growing from 20 to 30 inches high. **Price, per lb. postpaid, 35c.** Write for quantity prices.

GRASS SEEDS

English Rye Grass. Possibly the most popular grass grown in Western Oregon and Washington. Thrives well on all kinds of lands; used mostly for pasture but makes a good hay. Imported Seed. **Lb. postpaid, 30c; not postpaid, 1b. 25c; 25 lbs. or more at 20c lb.** Write for quantity prices.

Domestic Seed. A good grade of local grown seed. **Lb. postpaid, 25c; not postpaid, 1b. 20c; 25 lb. lots at 15c; 50 lb. lots or more at 12½c per lb.**

Italian Rye Grass. Similar to the above variety but more adapted to wet lands. Imported Seed. **Lb. postpaid, 30c; not postpaid, 1b. 25c; 25 lb. lots or more at 20c per lb.** Write for quantity prices.

Orchard Grass. Possibly the most valuable of all the grasses for all kinds of land, especially hills. Makes a great pasture. **Lb. postpaid, 40c; not postpaid, 1b. 30c; 25 lb. lots or more at 25c per lb.** Write for quantity prices.

Timothy. This is the most valuable of all grasses for hay. Thrive best on moist, loamy soil. **Lb. postpaid, 25c; not postpaid, 1b. 15c; 25 lb. lots at 14c per lb.** Write for quantity prices.

Red Top. Fancy Hulled Seed. Used for pastures, especially valuable for wet land. Also makes a very good lawn. **Lb. postpaid, 40c; not postpaid, 1b. 35c; 25 lb. lots or more at 32½c lb.**

Meadow Fescue. A hardy perennial grass. Used for pastures and also for lawns. **Lb. postpaid, 40c; not postpaid, 1b. 35c; 25 lb. lots at 32½c per lb.**

PASTURE OR BURN MIXTURE

This is a mixture of Rye Grasses, Timothy, Mesquite, Clovers, etc., for pasture purposes. Good on burned and logged-off lands. **Lb. postpaid, 25c; not postpaid, 15c. 100 lbs. \$12.50.**

Mesquite. This grass is very popular for sowing on rocky and hilly soil, on wet lands and as a pasture grass on logged-off and burnt over lands. Comes very early in both spring and fall and produces very heavy. Fancy seed. **Lb. postpaid, 30c; not postpaid, 1b. 25c; 25 lb. lots at 20c per lb.; 50 lbs. or more at 18c per lb.**

Millet. On some lands that are sandy and warm, millet has been a productive crop. Used mostly for hay and poultry feeding when threshed. Write for prices and varieties.

DWARF ESSEX RAPE. Holland Grown.

We have imported direct from Holland some genuine Dwarf Essex Rape and are now prepared to supply the genuine seed. **Postpaid, 10 lbs. \$2.00; 25 lb. lots, not postpaid, \$3.00; larger lots, write for prices.**

HARDING GRASS

This is the wonderful new grass that was introduced from Africa by J. A. Stambaugh about five years ago. It has proven a wonderful success. We have never found any grass that produces the pasture and feed of this grass. Sow one pound per acre broadcast without nurse crop of any kind on cultivated land, as soon as land can be well worked in the spring. Try this great grass.

Write for circular. Prices as follows: **Postpaid and insured, 1b. \$3.50; 25 lb. lots at \$3.00 per lb.; 50 lbs or more at \$2.50 per lb.**

LEE'S LICE KILLER AND REMEDIES

This is the best lice killer on the market without doubt. In a class by itself.

Lee's Lice Killer. Qt. can, 60c; postpaid, 70c; ½gal. can, 90c; postpaid, \$1.00; 1 gal. can, \$1.50; postpaid, \$1.65.

Lee's Lice Powder. Lb. can, 30c; postpaid, 35c.

Lee's Germozone. 4 oz. bottle, 40c; postpaid, 45c; 12 oz. bottle, 75c; postpaid, 85c; 32 oz. bottle, \$1.50; postpaid, \$1.60; 1 gal. bottle, \$4.50; postpaid, \$4.65.

SEED GRAINS

Write for prices when in the market.

Recleaned Marquis Spring Wheat. The heaviest yielding spring wheat grown in the Northwest. Heads are beardless, chaff smooth and kernel dark amber in color. Very heavy and grades as hard wheat.

Huston or Grass Wheat. A spring wheat that is recommended by O. A. C. for planting in this valley as it is a good yielder and does well on nearly all kinds of land.

Kinney Wheat. An old standard wheat that has been grown for years here and always produces a good crop. May be sown either fall or spring.

Gray Oats. Sown both fall and early spring and the standard oat for this valley and western Washington and Oregon.

White Eclipse Oats. Have some very choice heavy seed oats of this well known variety, Clean and fine quality.

Spring Rye. Makes a good crop sown in the spring.

Fall Rye. Always makes a crop and can be sown on poor land that will not raise other grain. Makes an abundance of pasture and green feed and also a fine cover crop for orchards and berries.

Spring Barley. Usually does best on light land but is grown nearly everywhere.

Fall Barley. Barley is being planted in the fall and has proven very productive. The acreage has increased several hundred percent the last year and farmers are well satisfied with the results. Write for prices.

Cheat Seed. Recleaned. This is used as a hay crop especially on wet lands and when cut and taken care of at the right time makes a good hay.

Canada Field Peas. Field peas are becoming more popular every year. They make a good hay; make a great hog feed and are used for silos. **Lb. postpaid, 20c; not postpaid, 1b. 10c; 100 lbs. market price.**

VETCHES

Oregon Vetch (Common Vetch). One of the best forage plants grown on the Pacific Coast. It furnished an abundance of green, makes a fine hay; used for silos, pastures and is unexcelled as a cover crop. **Price, per 100 lbs. \$3.50.**

Hungarian Vetch. This is proving a wonderful vetch; it seems to be adapted for land too heavy and wet for common vetch; is aphid proof; seems to stand more freezing than other vetches and is very productive. Can be used for all purposes that common vetch is used for with the assurance of making a crop when other vetches are a failure. **Price, per 100 lbs. \$3.50.**

Sand or Hairy Vetch. This thrives on poor, arid, sandy soil but will grow anywhere. Is a winter vetch and should be planted in fall when to be cut for crop or seed. Can be seeded in spring for pasture. **10 lbs. postpaid, \$2.00; 100 lbs. by freight or express collect, \$12.00.**

Vetch and Oats. This is a mixture prepared for hay and is the usual mixture sown in this valley. Consists of recleaned grey winter oats and Oregon vetch. Write for prices.

NITRAGIN

The original soil inoculator. Increases your yield and enriches your soil. Send for circular. Prepared for all legume crops. $\frac{1}{4}$ bu. size, **40c**; $\frac{1}{2}$ bu. size, **60c**; 1 bu. size, **\$1.00**; 5 bu. size, **\$4.75**; garden size, **20c**; postpaid, **25c**. State crop wanted for.

SPRAY PUMPS AND SPRAYERS

Ideal Sprayer. This is mounted on a wheel with handles similar to wheel barrow. Is of the compressed air type with air chamber in front and outside of spray tank. Spray tank holds fifteen gallons and is well made of heavy galvanized iron. Well made and gives a pressure of 275 lbs. Outfit complete, 10 ft. hose, 8 ft. extension in two pieces, one T handle shut off, one Ideal nozzle. A wonderful handy sprayer for gardeners, small truck growers, small fruits, home use, etc. **Price, complete, \$37.50.**

Acme compressed Air Sprayers. Standard size. This is one of the best compressed air sprayers on the market. It is well made of heavy galvanized iron, holding about 3½ gallons of spray. This type of sprayers are becoming more popular every year as they are so convenient to use for every purpose that a small sprayer is adapted to. **Price, \$6.50 each.**

Acme Compressed Air Sprayer. Junior size. Holds one gallon and is exactly like the above standard size except in size. Mighty fine for roses, flowers, green houses, shrubbery, small fruits, hen houses. **Price, \$5.00.**

Orchard Sprayers. We carry a very good barrel pump and if interested kindly call or drop us a card and we will send circulars and quote prices.

Bucket Pump. With lever handle. A very popular pump. Powerful and convenient. **Price, \$7.50.**

Hand Sprayer. A very convenient sprayer for lice killers, fly sprays, rose sprays, etc. Aspinwall type, **60c**; Faultless type, **50c**.

Continuous Hand Sprayer. This is the most convenient sprayer on the market. Tin, **\$1.00**; Galvanized, **\$1.10**.

Glass Jar Sprayer. This uses a regular Mason jar for the container and is well made and convenient. **85c each.**

Feeney Dust Gun. A dandy dust gun that does the work. **Each, \$1.00.**

Niagara Powder Guns. A powerful dust gun for use in orchards, small fruit, for market gardeners and any place where you desire to have large capacity. **Each, \$22.00, complete.** With two row attachment, **\$24.00 complete.**

Standard Spray Pumps. The most powerful hand sprayer made. The nozzle and plunger are built together on the style of a pop gun and gives you a large capacity and immense power for hand sprayer. **Price, \$5.00.**

HAND SEEDERS

Horn. This is one of the most popular seeders for clovers, timothy and other small seeders. **Price, each, \$1.00.**

Cyclone. This is a larger seeder and can be used for grains as well as all small seeds. **Price, each, \$2.50.**

SPRAY MATERIALS

We carry the largest stock of the most reliable spray materials in the city. You will find that our prices are the lowest that can be made on first class goods. You do not want to use anything but the best as it is money thrown away to use poor spray material. Spare the Spray and Spoil the Fruit. Never before has it been so necessary to protect fruit and vegetable crops against the ravages of insects and fungous diseases. This applies to commercial plantations and to the small orchard or garden. The question as to whether spraying pays has been answered. The real problem is one of improving sprays and their methods of application.

S-W. Spray Oil, or Spray Mulsion. For Scale, Thrip, etc.

From experiments we have made the past ten years, we find that for Scale on Fruit trees, there is no spray that has the killing effect of the oil spray. Should be applied as a dormant spray for this purpose.

Spray-Oil, so far has been the only remedy for thrips; should be used with Black Leaf 40 and applied as soon as the thrip shows. Do not delay as the damage is done within a day or so and crop ruined. **5 gal. can, \$2.50; 50 gal. bbl. \$15.00.**

S-W. Lime Dry Sulfur. This is taking the place of the old Lime-Sulphur Solution as it has all the advantages and none of the disadvantages of this spray. A 100 lb. drum makes as much spray as a 600 lb. bbls. of the old spray. From tests made the last few years, it has surpassed all other sulphur sprays in various tests.

Used for San Jose Scale, Apple Scab, Peach Curl Leaf, Brown Rot, Pear Psylla, Leaf Blister, Mite, etc. **Lb. 30c; 5 lbs. \$1.15; 10 lbs. \$2.00; 25 lbs. \$3.25; 50 lbs. \$5.50; 100 lbs. \$9.50; 200 lbs. \$17.00.** Add parcel post if wanted by mail.

Lime-Sulphur Solution. For those who prefer the solution, we carry the Dependable Brand and can recommend it as a high grade solution. **50 gal. bbl. \$9.00.**

S-W. Arsenate of Lead, Dry Powdered. This has supplanted the paste form and is now used in all sections of the U. S. Much more convenient to use, only takes half as much, much more easy to mix, does not freeze, always good, no matter how old. Arsenic and Lead thoroughly combined, eliminating danger from burning. Cannot be sent by mail. Write for prices.

S-W. Fungi-Bordo Spray, Dry Powdered. The most convenient form of Bordo Spray. Easy to handle and mixes readily. Now sold at prices that are cheaper than you can afford to buy the materials and make it. Cannot be sent by mail. **Lb. 35c; 5 lbs. \$1.25; 25 lbs. \$4.50.**

Black Leaf 40, Nicotine Sulphate. Guaranteed to contain 40% nicotine. When used according to directions it neither burns nor stains fruit or foliage. Used as a fruit spray for thrip and Aphis, as a Hop spray, and as a Sheep Dip. Also used on Garden truck, Onions, etc. Cannot be sent by mail. **Oz. 35c; ¼lb. \$1.25; 2 lbs. \$3.50; 10 lbs. \$13.50.**

Whale Oil Soap. An excellent summer wash for Aphis, etc. **Lb. 25c; 100 lbs., market price.**

Tobacco Powder for Dusting. For destruction of Green Fly, Aphis, etc., where fumes cannot be confined. **2 lb. pkg. 50c.**

Sulphur. A good grade of sulphur for spraying, etc. **Lb. 5c; 10 lbs. 50c; 110 lbs. \$3.00; ton, market price.**

Lime. The best grade on the market for all purposes. **10 lbs. 30c; 100 lbs. \$2.25; bbl. \$3.75.**

Bluestone. The best grade for spraying. **Lb. 10c; 100 lbs., market price.**

Grafting Wax. ¼lb. 15c; ½lb. 25c; 1b. 40c; postage extra.

Beeswax. **Lb. 60c; postpaid, 70c.**

Rosin. **Lb. 15c, postpaid; 10 lbs. 75c, not postpaid.**

Slug Destroyer. This is a powder that you sprinkle around the plants to keep the slugs away. And it does it. **Pkg. 25c; postpaid, 35c.**

Magotite. Insures a good crop of Radishes, Kale, Cabbage, Onions, Turnips, Cauliflower, etc. "Mag-O-Tite" acts as a preventive by repelling the Fly which lays the eggs from which the Maggots are hatched and it also destroys Maggots which are already in the soil. While intended primarily as a remedy for Root Maggots, it has proved very effective in combating Earth Worms of all kinds, the Strawberry Crown Borer, Cabbage Worms, Asparagus Miner, Flea Beetle, Cut Worms, and all kinds of Slugs. Approximate quantity required. A 2-lb. package for about 300 feet of drill, or for field culture, 300 to 500 lbs. per acre. **2lbs. pkg. 25c; 4 lbs. pkg. 50c; 8 lbs. pkg. \$1.00; 25 lbs. sack, \$2.50; 100 lbs. sack, \$8.50.** Send for folder of directions.

Carbola. The disinfectant white paint, used instead of whitewash. **10 lbs. pkg. \$1.50; postpaid, \$1.70.**

LEE'S GARDEN INSECTICIDE

To be used against garden insects, such as cabbage worms, plant lice, green bugs, beetles, etc. Also, used on roses and shrubbery. 1 lb. can, 35c.

TREE PAINT

This is to paint over the cut after pruning or where you have had to cut away the wood. 1 gal. cans, \$1.00; postpaid, \$1.15.

TREE TANGLEFOOT

Usually used around the base of the tree to keep insects and vermin off tree. Lb. can, 50c; postpaid, 60c; 3 lb. can, \$1.45; postpaid, \$1.55; 10 lb. can, \$4.25; postpaid, \$4.50.

PRUNING COMPOUND

This is in the form of a thick paste and is the best article on the market. Stays pliable and does not crack or harden and protects the tree. Qt. can, 65c; postpaid, 75c; 1 gal. can, \$2.00; postpaid, \$2.15.

FLY SPRAYS

Dr. Hess Fly Spray has proven one of the best on the market. Qt. can, 60c; postpaid, 70c; ½ gal. can, 90c; postpaid, \$1.00; 1 gal. can, \$1.50; postpaid, \$1.65; 5 gal. can, \$7.00.

Conkey's Fly Spray. A very popular article. Qt. 70c; postpaid, 80c; ½ gal. can, \$1.15; postpaid, \$1.25; 1 gal. can, \$1.75; postpaid, \$1.90.

So=Bos=So. An old favorite that many prefer. Qt. Can, 65c; postpaid, 75c; ½ gal. \$1.00; postpaid, \$1.10; 1 gal. can, \$1.60; postpaid, \$1.75.

SPREADER

This Casein Spreader has proven the most satisfactory on the market. It spreads over more surface and makes an even spread and holds the spray better than any other spray we have been able to secure. It will pay you to use Kayso in all your sprays. 1½ lb. pkg. 30c; postpaid, 40c; garden size, 25c each; 35c, postpaid.

ORCHARD FERTILIZERS

Last year we sold the following mixture to many orchard men and had some very good results. Several stated that it increased their crop from 50% to 100%. Super-phosphate, 60 lbs. tankage, 15 lbs.; Nitrate of Soda, 15 lbs.; Muriate of Potash, 10 lbs.

Applied to trees as follows: 5 year old tree, 3 lbs. per tree; 7 to 8 years old tree, 4 lb. per tree; 10 to 12 year old tree, 5 lbs. per tree; older trees, 6 lbs. per tree.

LOGANBERRIES

The same mixture gave excellent results on Logans. Apply about one-half pound per hill according to condition.

Prices on Page 20.

LIME FOR CHERRIES

The only remedy for Cherry trees that have Gumosis that we have been able to find is Lime. Applied around base of tree, it has proven very successful. If the Fertlime is used, apply about 5 lbs. per tree for two years. If Ground Lime Rock is used, apply about 10 lbs. per tree for two years. In very bad cases, it may be necessary to apply for three years but usually two years has cured the trees entirely. Prices on Page 20.

HIGH GRADE FERTILIZERS

Fertilizers in the Northwest are just commencing to be used.

In a few years, nearly all our farms, orchards, gardens, etc., will have to be fertilized in order to be profitable.

You will find it profitable to use a good fertilizer for what ever crop you may be growing.

We carry a complete stock of the Swifts Red Steer Brand of Fertilizers as well as the different ingredients if you care to mix your own formula. All prices are subject to market changes.

SWIFTS RED STEER BRAND FERTILIZERS

Brand B. 2-12-3. A complete general fertilizer for gardens, truck farms, etc. 125 lbs. bags, \$3.50; ton, market price.

Brand C. 3-10-4. Berries and small fruits. 125 lb. bag, \$3.75; ton, market price.

Brand E. 3-10-10. Very strong in potash, especially adapted for onions, kale, cabbage, etc. 125 lb. bag, \$4.00; ton, market price.

Nitrate of Soda. The cheapest and best way to apply nitrogen to plants. Applied right, produces wonderful results. 25 lbs. \$1.15; 100 lbs. \$3.75 ton, market price.

Muriate of Potash. Used especially on fruits and onions to make a firmer, better grade. 25 lbs. \$1.15; 100 lbs. \$3.25; ton, market price.

Acid or Superphosphate. 17½%. Valuable on fruits and berries as it improves the color and shipping qualities. Also, helps to make the fruit set when blooming. 125 lb. bag, \$2.00; ton, market price.

Sulphate of Ammonia. 25%. A wonderful, quick acting fertilizer for lawns, gardens, fruit, etc. 25 lbs. \$1.50; 100 lbs. \$5.00.

Pure Bone Meal. A slow acting fertilizer that is one of the best kinds to use for continued growth. 25 lbs. \$1.00; 100 lbs. \$3.00; ton, market price.

Sheep Guano. We have a good grade of this valuable fertilizer and our price is especially low. 100 lbs. \$1.50; ton, \$24.00.

Fertilime. This is a high grade lime made for fertilizer and for a disinfectant in barns, etc. 100 lbs. \$1.50; ton, \$20.00.

Ground Lime Rock. Pure, ground lime rock from state lime plant. 125 lb. bag, \$1.00; ton, market price.

Fertilizer Tankage. Have a good article at a reasonable price. 100 lbs. \$2.50; ton, market price.

LAWN FERTILIZER

Roselawn is the highest lawn grade fertilizer on the market and certainly makes the lawn grow. Also, used for roses, shrubbery and plants. Lb. 10c; 3 lbs. 25c; 25 lb. bag, \$1.25; 50 lb. bag, \$2.00; 100 lb. bag, \$3.50.

Diamond Plant Food. Made for house plants, etc. ½ lb. pkg. 25c; 1 lb. pkg. 40c; postpaid, ½ lb. 30c; 1 lb. 50c.

APEX LAND PLASTER

A high grade land plaster for clover, vetch, peas, corn, potatoes, etc. 100 lb. sack, 75c; ton, \$13.00.

NEVADA LAND PLASTER

This is the finest land plaster we have ever seen. Ground extra fine and very pure. 100 lb. sack, 80c; ton, \$14.00.

STIM=U=PLANT

THE LAST WORD IN MODERN GARDENING EFFICIENCY

This wonderful fertilizer and plant food is odorless—has no obnoxious, messy characteristics. To use, simply insert a tablet in soil near each plant; or dissolve in water at the rate of four tablets per gallon and use as liquid manure.

Scientifically made of pure, essential plant food elements, its exceptional richness is correctly proportioned to quickly produce satisfying results on all plant life, whether growing in garden, orchard, "berry patch" or conservatory.

Stim=U=Plant has guaranteed analysis of eleven percent nitrogen, twelve percent phosphoric acid, fifteen percent potash.

Tablets dissolve readily, insuring that the richest kind of plant food goes at once to the plant feeder roots exactly where and when food is needed.

Sizes and retail prices: Trial pkg. 15c; postpaid, 20c; Standard pkg. 25c; postpaid, 30c.

READY-MIXED POULTRY FOODS

Prices subject to market changes.

The standard food for poultry of all ages, for all purposes—specially mixed and balanced Chick Food, Developing Food, Laying Food, Scratching Food, Analyzed and tested.

Blatchford's Milk Mash for Baby Chicks. Without any doubt, the finest chick starter ever offered on the market. You will not have any sick chicks if you commence and feed this prepared mash. Fed by all the leading poultrymen of the U. S. and always good. **Lb. 10c; 25 lbs. \$1.85; 100 lbs. \$7.00.**

Blatchford's Milk Mash contains 25 carefully ground ingredients mixed in proper proportions. Guaranteed analysis: Protein, 20%; Fat, 4%; Fiber, not over 7½%; Carbo-hydrates, 52%.

We do not quote feed prices as market changes occur every few days usually, that any price given might be out of line but will be glad to quote prices on the different feeds at any time. Special low prices on large orders. Send us a list of your needs and get our prices.

We handle: Chick Starter Milk Mash, Chick Feed, Growing Feed, Developing Mash, Laying Mash; Buttermilk Mash, Scratch Feeds, Corn, whole, cracked and ground; Wheat, whole, cracked and ground; Oats, whole, rolled and ground; Oats Groats, whole and rolled or ground; Barley, whole, rolled and ground; Milo Maize, Bran, Shorts, Mill Run, and various mixed feeds. Buying in car lots we are in a position to quote you the lowest market prices.

Fish Meal. The grade we sell is the best obtainable. It contains nothing but pure fresh fish, properly processed and will not taint the eggs. **100 lbs. \$4.25.**

Our "Special" Beef Scraps. Are rich in materials which make bone, muscle and lean meat. They insure health, thrift, and vigor and satisfy the natural craving of the bird's system for flesh-food in some form. Rich in protein. Can be fed dry or with cooked rations. **Lb. 10c; 10 lbs. 75c; 100 lbs. \$5.40.**

Granulated Bone—"Special." We offer only highest quality, white, pure, and clean. Rich in phosphates, lime and protein. Should be kept before your chickens at all times. Fed in a sanitary Shell and Grit Box. **6 lbs. 25c; 10 lbs. 40c; 100 lbs. \$3.20.**

Oyster Shell Crushed. Best Grade pure hard Eastern oyster shell, crushed and sifted. Supplies lime material for egg shells. Does not take the place of grit as some think. Hens must have both shell and grit. Oyster shells should be within reach of your hens at all times. **10 lbs. 25c; 100 lb. sacks, \$1.50.**

Grit, Best Grade. Every poultry raiser should keep a supply of this grit in each pen. Baby chicks and ducklings must have it. Made in three sizes, chick, pigeon or broiler, and hen size. We always send hen size unless others are ordered. **12 lbs. 25c; 100 lb. sack, \$1.25.**

Alfalfa Leaves. The best substitute for green food for winter feeding; helps keep the egg basket full; mixed with the soft feed is good for large or small chicks; endorsed by leading experts. **50 lbs. \$1.75.**

Charcoal. Our stock is prepared especially for poultry and of highest quality obtainable; a preventative of bowel trouble; sour crop and indigestion; a health preserver. State size wanted. A, for mash; B, for chicks; C, for large chickens or hens. **Lb. 10c; 3 lbs. 25c; 10 lbs. 60c; 50 lbs. \$2.00.**

Poultry Pepper. A good tonic and invigorator. Ground. **Lb. 30c; postpaid, 40c.**

QUICK RELIEF FOR COWS

This is a great remedy for cows with sore or caked bags and acts very quickly. **Can, \$1.50; postpaid, \$1.55.**

LICENE

For killing body lice on chickens. **Price, 60c a tube; postpaid, 65c. Send for booklet.**

HAND CULTIVATOR

We have a good high grade hand plow and cultivator that is very convenient for garden use. Complete with all necessary attachments. **Price, \$5.00.**

TRAPS

Reddick Mole Traps. The best trap for catching moles on the market. **Each, \$1.25; postpaid; \$1.35.**

THE CINCH GOPHER TRAP

The only safe and successful device for catching this pest. No dangerous gun; no ammunition. Easy to operate and when set properly is a "cinch" sure enough. Any boy can clean the ranch with them. Will also catch moles, rats, etc. **Price, 70c; with scoop for opening hole.** Sold several hundred of these traps the past season and they all have fine satisfaction. Guaranteed to do the work or money back. **Postpaid, 80c.** State whether for moles or gophers.

OUT O'SIGHT MOLE TRAP

One of the best. Sure to "get them." **Price, \$1.25; postpaid, \$1.35.**

Nash Mole Traps. This is the trap that the Dept. of Agr. of U. S. claims is the best trap on the market after testing all kinds. **Price, each, \$1.25; postpaid, \$1.35.**

Roy Trap. A small trap that has given good results. Mole size, **25c**; Gopher size, **35c**; postage, **5c extra.**

SQUIRREL POISON

We handle a reliable brand of squirrel poison that does the work. **Can, 50c.**

GAS BALLS

Kill the Gophers, Moles, Rats, and Squirrels; easy to handle, safe and sure to kill. **5c each; 6 for 25c; doz. 40c; carton of 125, \$3.00.** Cannot be sent by mail.

RAT NIP

The best rat poison on the market; sure to kill. **Tube, 30c.** Cannot be sent by mail.

GOPHER GUNS

For the positive destruction of Gophers, Moles, Squirrels, Rats and other burrowing pests. This is a new gun that shoots a 38 BLANK cartridge shell and is safe and simple to use. Keep the gun clean and it will last a life time. **Price, \$2.00 each, postpaid.**

Blank Shells, doz. 25c.

Cannot be sent by mail.

BLATCHFORD'S CALF MEAL

After having tested all the leading Calf Meals on the market, we are satisfied that Blatchford's Calf Meal has no equal. From all the reports from many dairymen, there is not its equal on the market.

It costs slightly more than some other brands but it goes farther and gives better results and for that reason is the most economical to use.

Prices as follows, subject to market changes: 25 lb. bag, \$1.85; 50 lb. bag, \$3.60; 100 lb. bag, \$7.00; postage extra.

CARBOLIC=OL

This is used usually as a paint and is very penetrating and lasts for a long time. Used in a poultry house, it will keep it free from lice and vermin for months. **1 qt. can, 60c; postpaid, 70c; ½ gal. can, 90c; postpaid, \$1.00; 1 gal. can, \$1.50; postpaid, \$1.65.**

BEE HIVES AND SUPERS**DOVETAILED PINE HIVES**

- No. 1, 8-frame, Dovetailed Hive, complete with one super.** Consists of one bottom board, one body, one super, one cover, eight Hoffman Brood frames, six section holders, 24 sections and foundation starter for frames and sections, also nails if K. D. **Nailed, each, \$4.15; case of 5, K. D. Flat, \$17.00.**
- No. 2, 8-frame.** Hive is the same as No. 1, less sections and foundation. **Nailed, each, \$3.50; K. D. Flat, case of 5, \$14.00.**
- No. 1, 10-frame, Dovetailed Hive, with super, sections, etc., complete.** **Nailed, each, \$4.45; case of 5, K. D. Flat, \$19.00.**
- No. 2, 10-frame.** Hive same as No. 1, less sections and foundation. **Nailed, each, \$3.85; case of 5, K. D. Flat, \$16.50.**

DOVETAILED PINE SUPERS

- No. 1, for 8-frame Hive.** Complete, with sections and foundations. **Nailed, each, \$1.50; case of 5, K. D. Flat, \$6.50.**
- No. 2, for 8-frame hive.** Less sections and foundations. **Nailed, each, \$1.15; case of 5, K. D. Flat, \$5.00.**
- No. 0, Empty.** **Nailed, each, 80c; case of 5, K. D. Flat, \$3.00.**
- No. 1, for 10-frame hive.** Complete with sections and foundations. **Nailed, each, \$1.75; case of 5, K. D. Flat, \$7.75.**
- No. 2, for 10-frame hive.** Less sections and foundations. **Nailed, each, \$1.25; case of 5, K. D. Flat, \$5.25.**
- 8-frame, single story, no super.** **Nailed, each, \$2.70; case of 5, K. D., \$11.00.**
- 8-frame, Hive Body, Empty.** **Nailed, each, \$1.10.**
- 10-frame, single story,** **Nailed, each, \$2.85; case of 5, K. D., \$12.00.**
- 10-frame, hive body, empty.** **Each, \$1.10; case of 5, K. D., \$4.50.**
- 8-frame, Covers.** **Each, 70c.**
- 8-frame, Bottom Boards.** **Each, 50c.**
- 10-frame, Covers.** **Each, 75c.**
- 10-frame, Bottom Boards.** **Each, 60c.**

BEE SUPPLIES**DANDANT WIRED BROOD FOUNDATION**

Many prefer to buy the brood foundation wired, saving the trouble to wire it in where they are not equipped to do the work. **Price, \$1.00 per lb; postage extra.**

BEE BOOKS

A. B. C. X. Y. Z. This is the most complete book published and no bee man can afford to be without it. **Postpaid, \$3.15 each.**

ZINC HONEY BOARDS

- No. 11, 8-frame, unbound, 45c; postpaid, 50c.**
- No. 1, 10-frame, unbound, 50c; postpaid, 55c.**

PORTER BEE ESCAPES

The best on the market. **Each, 25c, unbound.**

BEE ENTRANCE GUARDS

Zinc front, 8-frame. **Each, 40c, postpaid.**

DRONE TRAPS

Alley's Improved. 8-frame. **Each, \$1.10; postpaid; 10 frame, each, \$1.20.**

BOARDMAN'S FEEDERS

To be used with Mason jar. **Price, without jar, 40c; each, postpaid.**

SPUR WIRE EMBEDDERS

Very convenient in putting in wire. **Each, 50c, postpaid.**

PARKER FOUNDATION FASTENERS

Holds the sections in place when putting in foundations. **Each, 50c; postpaid, 55c.**

SECTION HONEY BOXES

Our No. 1 Sections are made of the choicest white basswood lumber and are perfect in finish, and free from defects. They are not all snow white, but vary from that to a light cream color. Choice honey shows to best advantage in a section not too white, as it is the honey rather than the wood that the consumer looks to. **100, \$2.00; 500, \$8.50.**

SECTION HOLDERS

Six sections holder, with separators, one follower and wedge, are put in each super, and each holder holds four 1-lb. honey boxes. The bottom strip is $\frac{1}{4}$ -inch thick, and is cut to fit in sets of sections, $1\frac{7}{8} \times 8\frac{1}{2}$ inches, slotted. **Each, 5c; 100, \$4.50.**

COMB FOUNDATION

Packed in 1, 2, 3, and 5-pound paper boxes, of 25 pounds in a case. Light standard brood grade, 6 to 7 square feet per lb. **Price per lb. 80c.** Light section grade 11 to 12 square feet per lb. **Price per lb. 90c.** If foundation is wanted by mail, add 6c per lb. up to two lbs., and 2c per lb. over 2 lbs.

HOFFMAN BROAD FRAMES

The Hoffman Improved Foundation Fastening Frames are the latest and best brood frames out. The top bar is made with a beveled strip which holds the foundation absolutely in place, perfectly straight and exactly in center of top bar. Anyone can put foundation in these new frames very rapidly. **Price Hoffman Frames, per 10, 80c; per 100, \$7.00.**

SEPARATORS

One separator should always be placed between each section holder so that the bees will build the honey comb even in each section. Slotted wood separator, $4\frac{1}{2} \times 18$, **per doz. 15c; per 100, \$1.00.**

BEE VEILS

Hat Veils. These veils have a rubber band around the top so as to fit the hat snugly. The lower end is bound, to prevent fraying. The kinds of material are given below. **Price list (postpaid).** No. 3 Veil, cotton tulle throughout, **\$1.35.**
Globe Veils, each, \$1.65.

BEE ENTRANCE GUARDS

Root's or Tinker's. These are to admit workers and exclude drones. After the drones are all out, fix the guards over the entrance, and at night the drones can be destroyed. **Price, 35c; by mail, 45c.**

TINNED WIRE

No. 30. Per spool, 10c, postpaid; $\frac{1}{4}$ lb. spool, 25c; postpaid, 30c.

BEE SMOKERS

Clark's Cold Blast. Probably the most popular smoker in use today is the Cold Blast, although many are now changing to the hot blast, claiming that they are more effective. The Clark is the best low-price smoker. **Price, \$1.25; by mail, \$1.35.**

Root Smoker. It is neat in appearance and does not topple over easy. Makes a good strong blast, with little work. Very substantial **Price, Standard, $3\frac{1}{4}$ inch, \$1.75; by mail, \$1.85.**

MISCELLANEOUS

BARRELS AND KEGS

We carry a complete stock suitable for meat, fish, cider, vinegar, kraut, etc.

5 gallon keg.	\$1.10	15 gallon keg.	\$2.10	30 gallon barrel.	\$3.10
10 gallon keg.	\$1.65	20 gallon keg.	2.60	50 gallon barrel.	4.35

PLANT SETTERS

Master's. For planting cabbage, kale, celery, etc. With this little planter you can plant, water and fertilize ten thousand plants a day. **Price, each, \$6.50.**

CORN PLANTERS

Crescent. A two-handed planter; strong and durable. **Price, \$1.35.**

Segment. Very accurate in planting. **Price, \$2.25.**